MODERN SURGERY! ANOTHER MARVELLOUS TRIUMPH OF

An Aluminum Jaw Grafted on in Place of a Jawbone the Surgeons Had Removed.

was performed recently upon William McConnell in the Presbyterian Hospital at Phisburg, when the surgeons succeeded in taking out helf of his jaw bone and substituting in its place a piece of aluminum.

McConnell, who lived near Claysville, on the Baltimore & Ohio Railroud, suffered terribly some years ago from a decaying tooth in the left side of his lower law. He went to a local dentist, who said he could relieve the pain by a certain preparation. This was applied, and McConnell was at once relieved

Later, an eruption appeared on the gum of the left jaw and spread for several inches. It increased steadily, and caused McConnell intense pain and great misery.

Finally his physician sent him to the Presbyterian Hospital. There it was found he was suffering from cancer, which had involved the jaw to a fearful extent. The only chance of sav-ing his life lay in an operation by which almost the entire left able of his jaw should be removed. It was a daugerous one, but the patient submitted to it as his only hope.

An incision was made on the left side of the face along the jaw bone. The flesh was cut away until the diseased bone was reached, which was then carefully explored in both direc-tions. The wound was held open with books, and the sound flesh protected by antiseptic padding from contact with the

The whole of the cancer, the diseased bone and adjoining sound portions were exposed. Fortunately the growth, though of great extent, did not reach as far as the ligatures connecting the jaw with the skuil. The mechanism for removing it is therefore left intact.

A fine saw was introduced, the jaw was cut through in two places and a great piece of diseased bone removed, together with the cancer and some teeth. The piece of bone taken out was four inches in length. The incision was made so as to only the sound bone and tissue surrounding the cavity. piece of niuminum beaten into the exact shape of the jaw was then inserted and the flesh closed over it. The edges

Connell's head was tightly bandaged up and he was not low of for two weeks to use his jaws. All food was given to

now appears to be on the way to complete recovery. He is able to use his jaw to speak and can take solid food in a rather soft form. The strength of the facial muscles on the

The surgeons tell kim that he will have the full use of his fleft gam and that the aluminum bone will serve the place of the fleft gam and that the aluminum bone will serve the place of the senses of sight, hearing, taste, smell and tonch.

He began with the brain, the seat of thought and all volunties death in the treatment of surgery have greater strides to the aluminum flaw in a few days.

This case calls attention to the many marvellous feats of modern surgery in removing important parts of the body. To such a development have surgeons now carried their science that they can deprive a man of three-fourths of his body and still leave him alive. Before many years they will doubless be able to exhibit as a product of their skill a human being more simple in construction than a worm.

There is no organ in the body which cannot be touched by the while a blow inflicting a comparative and of the comparative away with the brain the surgeon and only the more simple in construction than a worm.

There is no organ in the body which cannot be touched by the while are the while are the while a blow inflicting a comparative leave the him of any of the sense of sight, hearing, taste, smell and tonch.

He began with the brain, the scar of thought and all volunties death, the surgeon can shalten a much larger part that affected by the blow without the brain are united still leave him alive. Before many years they will doubless the able to exhibit as a product of their skill a human being affected without the brain are united stringly and that the aluminum bane will be death, the surgeon and only the body without the brain are united surgical modification. There are no parts of it which cannot be operated on with the tongue at the comparative case. Any part of it can be recommended and tonch.

He began with the brain, the said of the winding diseased human being that a portion of the palate. In either of these case with the surgeon as death united surgical modification. There are no parts of it which cannot be operated on wi

There is no organ in the body which cannot be touched by the surgeon, and only one that cannot be wholly or in part removed—that is the heart. To touch either that or the brain meant death a few years ago, but now the brain is never centres and the sear of consciousness and volition.

The surgeon must touch this part of the brain with a sparament death a few years ago, but now the brain is freely cut away in certain conditions of disease, and the heart is tapped.

The great essential in the surgical treatment of the brain is touched. A piece of skull as large as a liver dollar may be trephined. A piece of skull as large as a liver dollar may be trephined. Of other parts of the beat that are substanted at the entrance to the throat which the new centres and the severed ends of the common to the touched. A piece of skull as large as a liver dollar may be trephined. Of other parts of the beat that are substanted at the entrance to the throat which the new centres and the severed ends of the common to the third that are substanted at the entrance to the throat which is the new centres and the severed ends of the of the beat that are substanted at the entrance to the throat which is the new centres and the severed ends of the of the beat that are substanted at the entrance to the throat which is the new centres and the surgeon must touch this part of the brain which is substanted at the entrance to the throat which the nevel centres of the brain that are substanted at the entrance to the throat which the nevel centres. At long as the severed ends of the of the main to the the trephined. Of other parts of the beat that are substanted at the entrance to the throat which is the nevel are found in the surgeon must touch this part of the brain the nevel are found in the surgeon must touch this part of the brain the nevel are found in the surgeon must touch the su



Bones, Limbs and Internal Organs That May Now Be Safely Removed from the Body.

by bold American surgeons. An artificial laryux has been in-

Portlons of the traches, the tube leading from the larvax to the lungs, can also be dispensed with. Situated in front of the larynx is the thyrold gland, the excision of which is now practised in goitre.

The surgery of the lungs is now in a somewhat experimental stage. It is certain that a man having lost a greater part of one lung can live, and it is now sought to check the growth of disease in this organ by the knife.

The esophagus or guhet is subject to great surgical modification, and it is possible for a man to dispense with it and receive nourishment through an artificial orifice in his stomach.

The whole of the stomach may be removed or put out of use. In that case only liquid nourishment can be taken, and not

through the mouth. A common operation is to cut out a portion of the pylorus or lower end of the stomach.

Both the large and small intestines may be greatly reduced in extent. There are many surgeons who have removed half of the small intestines. The colon, the principal part of the large intestines, is occasionally brought out through an artificial orifice in the left lumbar region. It is hardly necessary to mention the removal of the vermiform appendage, that useless addition to the colon.

Either of the lobes of the liver may be removed, but with somewhat unpleasant results. The extirpation of the hepatic duct which conveys bile from the liver to the duodenum, makes the digestion of fats impossible

Attempts have been made to connect artificially the hepatic duct and the common bile duct after the removal of the gall bladder, which intervenes between them. The spleen, the function of which is unknown, can easily be spared.

The surgeon can relieve a man of either kidney or of part of,

the bladder. The latter has been wholly removed without causing death, and its place supplied artificially. Even these are not all of the modifications which modern surgery can make in the internal organization of man; but enough has been said to show that it can pare him down to a very simple

With the skeleton surgery can do almost anything. All the extremitles can be taken off and large parts of the skull, back-bone, pelvis and other important bones. As long as the periosteum, or covering, is left, the bone will reform. Broken vertebrae may be removed or set. Injury to the spinal cord is the cause of death where the backbone is concerned. Surgery canat side is returning. He is delighted with the result of the fit of a Sunday Journal reporter all the organs that can be respectively. While a blow inflicting a noses, of most natural appearance and quite comfortable to not yet mend or replace this, but even that is not to be respectively.

OF THE PROPERTY OF THE PROPERT EDGAR OF "THE PACE

Par l'operation d'un mystere rengeur.

THE START.

CHAPTER I.

HE course was done, Commencement father liked to have his own way. There was over. To the usual young men is, it is true, nothing unique about thatone of those parchiments in his hand. It was in Gothic characters, writ very black.

was in Gothic characters, writ very black.

had been delivered, the father got the conton the front platform of one of his street cars, but the reins in his hand and told the presidency of both lines, a few similar acquire at all, Law lacked. He was a tip-George Law had been graduated from Columbia Collège cum lande—with praise.

Of his people not a word. The fact that his father had run the Presidential race of the hear of th for the White House and lost it was unnotleed. The erection of High Bridge, the Among his classmates the rumor of that

speech. Time, space and ten millions were Juns la brute assoupie, un ange se reveille." things the local imagination could not -Baudelaire. grasp. It was that amount which George Law's father possessed, with it an grained dislike for funny business and an inroutable conviction that young men should earn their brend. Like others of the self-made type, Law's

the usual sheepskins had been distrib- we all do. But some self-made men are uted. In the emptying campus a senior stood, dogmatic and insist. After the sheepskin decorated with a splash of red wax, and him to drive up and down Eighth avenue, perquisites, and, barring the drudgery of top chap, evangelical in simplicity, honest it attested at length and in Latin that Law obeyed. Eighth avenue is hideous signing receipts for coin, entire leisure to as the dictionary, and generous as a nov-

organization of the East River ferries, the equipage spread. In the Autumn, when construction of the Eighth and Ninth ave- the majority of them were back in town, a Bradford, he had run through two for- of men may congregate, Sanford loved him. Dienitude of the affection which they dem. body, hand out money right and left, strew what the majority of them were back in town, a Bradford, he had run through two for-

CHAPTER II. THE RUNNING.

RIGHT SANFORD was then very sired.

elist dowering a heroine. In not one of these respects was there anything the those little things which in certain walks are the biggest, left enormously to be de-

of experience, he had plenty of coin. Theirs purple and fine underelothing, you were was the crown of thorns, his was the cross of gold. Between them they made a Big
Three. It was then that Law got to work
it. It was the man, the honesty and jus

> CHAPTER III. THE FINISH.

T would take the forty-four pages of Then, too, his prodigality, which was the to-day's Issue to give in their entirety, only un-American trait about him, as with the luxury of ornate detail which tounded. In those days he never fired of they deserve, the chronicles of Law's sub-thousand for drink, another in loans, we much in view. In rivalry of that famous New York prodigal, Bumby

On the turf, at the green balze of the roulette table, in the side scenes of existence, wherever all sorts and conditions

is thousand for drink, another in loans, was an every night occurrence. He would take the state of the roulette table, in the side scenes of existence, wherever all sorts and conditions

Among list described for the spirith and Nikhi we can assert after a contraction of the spirith and Nikhi we can assert a contraction of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and Nikhi we can assert a contract of the spirith and the s

the mythical proportions of a figure of m ions behind. George got eight of them, plate in immediate dra log loms or never people and was utering on a care or so port. To be a fri ad of George Law was

generally decorative that a little while a title-one which in those riotous nights later, in front of the old Turf Club, he and was a safeguard, too. Some one told us May, out of that rivalry which good felowahlp will induce, tried to thrash each ness you could walk from one end of Africa; ther.

to the other without so much as a stick for Meanwhile both were ready and, what is protection. In one of the haunts which more quite able to set another pace for Law.

Law frequented evening dress was an inIn years they were his Junior, but there are
years that count double. They had plenty

As a friend of his, though you came in

> tice of him-factors that dominate even the base. No one is wholly vile, and in hir those who stood about could see qualities they may have once had, lost, and per haps regretted, but which coerced the dumbest of them still.

